

DRILL HOLES

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BY: Joost Van Boekhold Division: P068 Highway TrafficGMA Emp

BORDER REV. DATE: March 27, 2007

PROJECT DESCRIPTION

- I. **GENERAL**
THIS PROJECT INVOLVES INSTALLING APS/CPS PEDESTRIAN EQUIPMENT ON THE SOUTH LEG OF THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AT VIRGINIA AVENUE IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.
- II. **INTERSECTION OPERATION**
THIS INTERSECTION OPERATES IN A NEMA FOUR-PHASE SEMI-TRAFFIC-ACTUATED MODE. THE NORTHBOUND AND SOUTHBOUND APPROACHES OPERATE CONCURRENTLY. THE EASTBOUND AND WESTBOUND APPROACHES OPERATE CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE ACROSS THE SOUTH LEG OF THE INTERSECTION.
- III. **PEDESTRIAN OPERATION**
NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTONS TO CROSS THE SOUTH LEG OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:

SOUTH: "WAIT TO CROSS SOLOMONS ISLAND AT VIRGINIA. WAIT."

WHEN THE WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTACT PERSONS

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-841-1019	MR. AVIJIT MAJI CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. MIKE HUBER UTILITY ENGINEER 410-841-1039	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. JOE GECKLE ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-841-1013	MR. ED RODENHIZER MANAGER SIGNAL OPERATIONS 410-787-7650
MR. JAMES FOLDEN ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-841-1031	MR. EUGENE BAILEY MANAGER SIGN OPERATIONS 410-787-7670

BALTIMORE GAS AND ELECTRIC

MR. MJ MARSHALL - ANNE ARUNDEL COUNTY
SR. DISTRIBUTION DESIGNER
410-397-7835

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING
STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.04-13 THROUGH MD 104.04-16.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION
ITEM NO. QUANTITY UNIT DESCRIPTION

NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ITEM NO. QUANTITY UNIT DESCRIPTION

2001	46	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5002	130	LF	5" HEAT APPLIED WHITE OR YELLOW PERMANENT PAVEMENT MARKINGS
5003	225	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	220	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	290	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	440	SF	5 INCH CONCRETE SIDEWALK
6003	43	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8005	1	EA	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER
8008	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	1	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	1	EA	EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH
8018	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8043	60	LF	UP TO 4 INCH SCHEDULE 90 RIGID PVC CONDUIT-TRENCHED
8047	40	LF	NO. 6 AWG STRANDED BARE COPPER WIRE
8050	50	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8055	20	LF	3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER
8058	660	LF	ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 AWG)

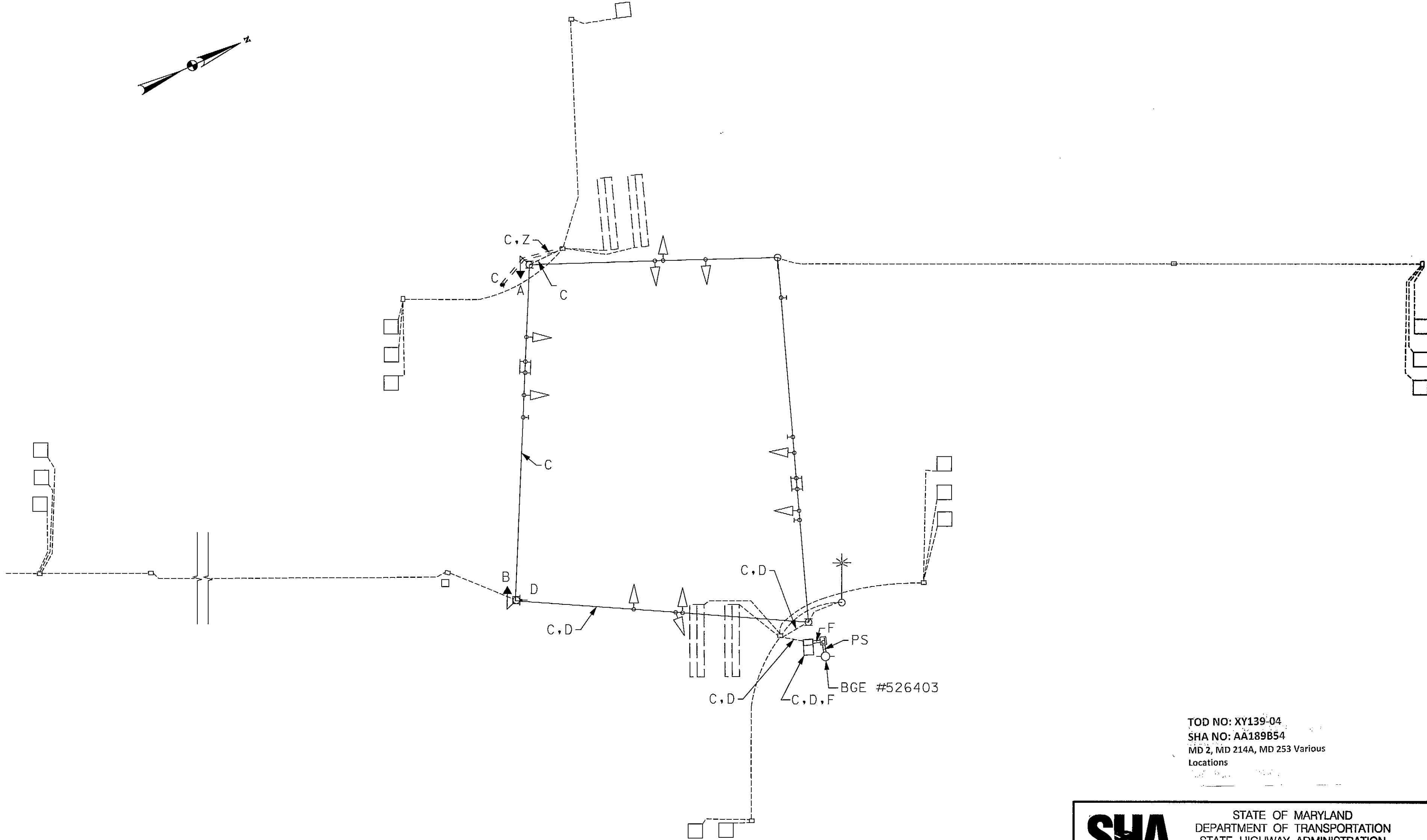
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE
PROPERTY OF THE CONTRACTOR.



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	G	G	G	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



TOD NO: XY139-04
SHA NO: AA189B54
MD 2, MD 214A, MD 253 Various
Locations



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 (SOLOMONS ISLAND ROAD) AT
VIRGINIA AVENUE
EDGEWATER, MARYLAND

GENERAL INFORMATION SHEET

SCALE NTS ADVERTISED DATE JANUARY 2013 CONTRACT NO. XY1395185

DESIGNED BY JVB/AMH OF KCI COUNTY ANNE ARUNDEL
DRAWN BY JVB OF KCI LOGMILE 02000217.68
CHECKED BY JFL OF KCI TIMS NO. 1652
F.A.P. NO. TOD NO.

TS NO. 1835-D DRAWING SG-3 OF 3 SHEET NO. 15 OF 21



WIRING KEY

A,B-CONNECT TO EXISTING CABLE
C,D-ELECTRICAL CABLE-2 CONDUCTOR (NO. 14 AWG)
F-3-ELECTRICAL CABLE 1-CONDUCTOR (NO. 8 AWG-THHN/THWN)
PS-POWER SUPPLY CABLE SUPPLIED BY BGE
Z-NO. 6 AWG STRANDED BARE COPPER GROUND WIRE